

1 36226/RJP/B600 (BP 1254)

**SYSTEM AND METHOD FOR NARROW BAND PLL TUNING**

5 **ABSTRACT OF THE DISCLOSURE**

An integrated VCO having an improved tuning range over process and temperature variations. There is therefore provided in a present embodiment of the invention an integrated VCO. The VCO comprises, a substrate, a VCO tuning control circuit  
10 responsive to a VCO state variable that is disposed upon the substrate, and a VCO disposed upon the substrate, having a tuning control voltage input falling within a VCO tuning range for adjusting a VCO frequency output, and having its tuning range  
15 adjusted by the tuning control circuit in response to the VCO state variable.

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